

Attachment J03

Fort Gordon Wastewater System

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J03 Fort Gordon Wastewater System

J03.1 Fort Gordon Area Overview

Fort Gordon, Georgia is a U.S. Army Installation located immediately adjacent to the City of Augusta. It occupies approximately 56,000 acres in eastern Georgia. Fort Gordon was established in 1941 as Camp Gordon and served as a divisional training base during WWII. In 1956 Camp Gordon was designated a permanent military installation and became Fort Gordon. In 1974 the Fort was redesignated the United States Army Signal Center and Fort Gordon. Today, Fort Gordon is the largest communications-electronics facility in the free world. The Signal Center conducts specialized instruction for all Signal Regiment military and Department of Army civilian personnel and provides doctrine and training development support. The Reserve Components Support Division provides year-round training for more than 60,000 reservists, as well as Army and Navy Reserve Officer Training Corps students. The Fort's population today is about 19,835 with 14,080 military and training personnel, 2,370 civilians and 3,385 family members. The Fort provides services to about 64,330 persons including retirees and their dependents and active duty personnel and their dependents.

Fort Gordon Recreation Area (Clark Hill Recreation Area), located approximately 22 miles NNW of the Installation in Columbia County, is leased by Fort Gordon, however it owns all of the infrastructure. The Recreation Area was established in the 1950's. Situated on a peninsula surrounded by the Clark Hill Reservoir, the Recreation Area provides areas of boating and camping activities for military and civilian personnel served by Fort Gordon.

J03.2 Wastewater System Description

The Fort Gordon Wastewater System comprises all appurtenances physically connected to the system from the point in which the Government ownership currently starts to the point of demarcation defined in part J03.10 of this Section. The system may include, but is not limited to the lift stations and pumps, treatment facilities, collection piping, manholes, and appurtenances. The following description and inventory is included to provide the Offeror with a general understanding of the size and configuration of the wastewater system. Under no circumstances shall the successful Contractor be entitled to any rate adjustments based on the accuracy of the following description and inventory.

The Fort currently holds NPDES permit number GA0003484. Wastewater system permits are not transferable. When the Contractor assumes operation of the wastewater system, it is the responsibility of the Contractor to file an application for transfer of the permit. The application must be received by the Georgia Department of Natural Resources – Environmental Protection Division in sufficient time for permit change before new operation of the system is to begin. The Contractor shall comply with all applicable federal, state, and local regulations governing the operation of the wastewater system.

J03.2.1 Wastewater System Fixed Equipment Inventory

J03.2.1.1 Wastewater System Description

The wastewater system at Fort Gordon consists of lift stations and pumps, treatment facilities, collection piping, manholes, and appurtenances. The original system in the cantonment area was constructed in the 1940's, and improvements have been made as needed since that time. All wastewater generated at the Fort is treated at the Fort's 4.0 million gallon per day wastewater treatment plant. The treatment train includes shredding, grit removal, primary clarification, trickling filters, secondary clarification, UV disinfection, and outfall. Treated wastewater is discharged to McCoy Creek in accordance with the Georgia Department of Natural Resources' National Pollutant Discharge Elimination System Permit. Sludge handling facilities include anaerobic digesters and sludge drying beds. Sludge is land applied in designated areas on the Fort. The land application areas will not be conveyed as part of this solicitation. The Offeror should not assume that land application areas will be available on property within Fort Gordon for sludge disposal. The wastewater treatment plant has a 150 hp/75 kW emergency generator for backup power.

There is also a leachate management system. It was installed in the Fall 2001 and is a wastewater collection and treatment system for the 17th Street Landfill. The major components are a leachate pump station, 6" force main, and a leachate pretreatment system located next to the wastewater treatment plant. System details are shown on a record drawing entitled "17th Street Landfill Leachate Management System," which will be part of the Technical Library.

Wastewater generated at Fort Gordon Recreation Area (Clark Hill Recreation Area) is sent to an unlined sewage lagoon. There is no further treatment of the wastewater and no discharge to surface waters.

The backup emergency generator that serves the wastewater treatment plant shall be conveyed as part of that particular system.

J03.2.1.2 Wastewater System Inventory

Table 1 provides a general listing of the major fixed assets for the Fort Gordon wastewater system. The system will be sold in an "as is, where is" condition without any warrant, representation, or obligation on the part of Government to make any alterations, repairs, or improvements. Ancillary equipment attached to, and necessary for operating the system, though not specifically mentioned herein, is considered part of the purchased utility.

Table 1
Fixed Inventory
Wastewater System – Fort Gordon

Item	Material	Size (inches)	Quantity	Unit	Approximate Year of Construction
Force Mains	Unknown	3	972	Linear Feet	1940's
	Asbestos Cement	4	2,780	Linear Feet	1940's
	Cast Iron	4	5,204	Linear Feet	1940's
					J03-2

Item	Material	Size (Inches)	Quantity	Unit	Approximate Year of Construction
	Reinforced Concrete	4	1,176	Linear Feet	1940's
	Asbestos Cement	6	2,628	Linear Feet	1940's
	Cast Iron	6	2,020	Linear Feet	1940's
	PVC	6	3,000	Linear Feet	2001
	Cast Iron	8	6,140	Linear Feet	1940's
	Asbestos Cement	10	4,844	Linear Feet	1940's
	Cast Iron	10	2,964	Linear Feet	1940's
	Unknown	Unknown	140	Linear Feet	1940's
Force Main Piping Total			31,868	Linear Feet	

Gravity Piping

NOTE: PEL = Polyethylene Lined

Asbestos Cement	6	212	Linear Feet	1940's
Cast Iron	6	152	Linear Feet	1940's
Concrete	6	2,116	Linear Feet	1940's
PVC	6	1,096	Linear Feet	1940's
Unknown	6	1,232	Linear Feet	1940's
Vitrified Clay	6	8,596	Linear Feet	1940's
Asbestos Cement	8	7,988	Linear Feet	1940's
Cast Iron	8	2,072	Linear Feet	1940's
Concrete	8	6,888	Linear Feet	1940's
Concrete (PEL)	8	804	Linear Feet	1940's
PVC	8	336	Linear Feet	1940's
Unknown	8	1,224	Linear Feet	1940's
Vitrified Clay	8	131,772	Linear Feet	1940's
Vitrified Clay (PEL)	8	3,628	Linear Feet	1940's
Vitrified Clay	10	11,132	Linear Feet	1940's
Vitrified Clay (PEL)	10	6,468	Linear Feet	1940's
Concrete	12	5,384	Linear Feet	1940's
Vitrified Clay	12	7,340	Linear Feet	1940's
Vitrified Clay (PEL)	12	8,292	Linear Feet	1940's
Concrete (PEL)	15	848	Linear Feet	1940's
Vitrified Clay	15	6,980	Linear Feet	1940's
Vitrified Clay (PEL)	15	1,512	Linear Feet	1940's
Cast Iron	18	440	Linear Feet	1940's
Concrete	18	624	Linear Feet	1940's
Vitrified Clay	18	8,520	Linear Feet	1940's
Vitrified Clay (PEL)	18	2,288	Linear Feet	1940's
Steel (PEL)	20	1,340	Linear Feet	1940's
Asbestos Cement	21	1,404	Linear Feet	1940's
Concrete	21	1,864	Linear Feet	1940's
Concrete (PEL)	21	14,036	Linear Feet	1940's
Vitrified Clay	21	292	Linear Feet	1940's
Vitrified Clay (PEL)	21	1,892	Linear Feet	1940's

Item	Material	Size	Quantity	Unit	Approximate Year of Construction
Gravity Piping Total	Cast Iron	24	632	Linear Feet	1940's
	Concrete	24	536	Linear Feet	1940's
	Concrete (PEL)	24	4,004	Linear Feet	1940's
	Unknown	Unknown	27,472	Linear Feet	1940's
			281,416	Linear Feet	
Piping Total			310,284	Linear Feet	
Building Services (laterals)*	Various	Various	2,250	Each	1940's
Manholes	Various	Various	1,294	Each	1940's
Wastewater Lift Station Groundwater (leachate from landfill)	Concrete	Unknown	1	Each	2001
Pump #1, Lift Station Groundwater	Submersible	Unknown	1	Each	2001
Pump #2, Lift Station Groundwater	Submersible	Unknown	1	Each	2001
Wastewater Lift Station 18406 (NCO Club)	Concrete	Unknown	1	Each	1969
Pump #1, Lift Station 18406	Unknown	5 hp/90 gpm	1	Each	2000
Pump #2, Lift Station 18406	Unknown	5 hp/90 gpm	1	Each	2000
Wastewater Lift/Pump Station 20806 (67 th Motor Pool)	Concrete	Unknown	1	Each	1969
Pump #1, Lift Station 20806	Wet Well Chopper	20 hp/100 gpm	1	Each	1969
Pump #2, Lift Station 20806	Wet Well Chopper	20 hp/100 gpm	1	Each	1969
Wastewater Lift Station 21810 (67 th Signal Oil Separator)	Concrete	Unknown	1	Each	1972
Pump #1, Lift Station 21810	Wet Well Chopper	20 hp/Unknown gpm	1	Each	1999
Pump #2, Lift Station 21810	Wet Well Chopper	20 hp/Unknown gpm	1	Each	1999
Wastewater Lift Station 1658 (Gordon Terrace – Upper)	Concrete	Unknown	1	Each	1970
Pump #1, Lift Station 1658	Wet Well Chopper	10 hp/200 gpm	1	Each	2000
Pump #2, Lift Station 1658	Wet Well Chopper	10 hp/200 gpm	1	Each	2000
Wastewater Lift Station 1976 (Gordon Terrace – Lower)	Concrete	Unknown	1	Each	1970
Pump #1, Lift Station 1976	Wet Well Chopper	15 hp/200 gpm	1	Each	2000
Pump #2, Lift Station 1976	Wet Well Chopper	15 hp/200 gpm	1	Each	2000
Wastewater Lift Station 746 (Old McNair Terrace)	Concrete	Unknown	1	Each	1967
Pump #1, Lift Station 746	Submersible	15 hp/135 gpm	1	Each	1967
Pump #2, Lift Station 746	Submersible	15 hp/135 gpm	1	Each	1967

Item	Material	Size	Quantity	Unit	Approximate Year of Construction
Wastewater Lift Station 807 (New McNair Terrace)	Concrete	Unknown	1	Each	1975
Pump #1, Lift Station 807	Submersible	10 hp/100 gpm	1	Each	2002
Pump #2, Lift Station 807	Submersible	7.5 hp/ 100gpm	1	Each	2002
Wastewater Lift Station 36706 (Ring Hall – Outside)	Concrete	Unknown	1	Each	1972
Pump #1, Lift Station 36706	Wet Well Chopper	20 hp/75 gpm	1	Each	1972
Pump #2, Lift Station 36706	Wet Well Chopper	20 hp/75 gpm	1	Each	1972
Wastewater Lift Station 34600 (Wainright Circle)	Concrete	Unknown	1	Each	1942
Pump #1, Lift Station 34600	Wet Well Chopper	20 hp/400 gpm	1	Each	1942
Pump #2, Lift Station 34600	Wet Well Chopper	20 hp/400 gpm	1	Each	1942
Wastewater Lift Station 18006 (19 th Street)	Concrete	Unknown	1	Each	1942
Pump #1, Lift Station 18006	Submersible	7.5 hp/250 gpm	1	Each	1942
Pump #2, Lift Station 18006	Submersible	7.5 hp/250 gpm	1	Each	1942
Wastewater Lift Station 15006 (15 th Street)	Concrete	Unknown	1	Each	1942
Pump #1, Lift Station 15006	Unknown	7.5 hp/175 gpm	1	Each	1942
Pump #2, Lift Station 15006	Unknown	7.5 hp/175 gpm	1	Each	1942
Wastewater Lift Station 60 (Boardman Lake)	Concrete	Unknown	1	Each	1977
Pump #1, Lift Station 60	Submersible	2 hp/20 gpm	1	Each	1977
Pump #2, Lift Station 60	Submersible	2 hp/20 gpm	1	Each	1977
Wastewater Lift/Pump Station 49306 (Gas Station)	Concrete	Unknown	1	Each	1975
Pump #1, Lift Station 49306	Submersible	5 hp/25 gpm	1	Each	1975
Pump #2, Lift Station 49306	Submersible	5 hp/25 gpm	1	Each	1975
Wastewater Lift Station 540 (Gordon Lakes Golf Course)	Concrete	Unknown	1	Each	1979
Pump #1, Lift Station 540	Submersible	0.5 hp/40 gpm	1	Each	1979
Pump #2, Lift Station 540	Submersible	0.5 hp/40 gpm	1	Each	1979
Wastewater Lift Station 256 (Maglin Terrace)	Concrete	Unknown	1	Each	1958
Pump #1, Lift Station 256	Submersible	1 hp/200 gpm	1	Each	1958
Pump #2, Lift Station 256	Submersible	1 hp/200 gpm	1	Each	1958

Item	Material	Size	Quantity	Unit	Approximate Year of Construction
Wastewater Lift Station 420 (Mirror Lake)	Concrete	Unknown	1	Each	1984
Pump #1, Lift Station 420	Submersible	0.5 hp/20 gpm	1	Each	1984
Pump #2, Lift Station 420	Submersible	0.5 hp/20 gpm	1	Each	1984
Wastewater Lift Station 47006	Concrete	Unknown	1	Each	1972
Pump #1, Lift Station 47006	Unknown	40 hp/500 gpm	1	Each	1972
Pump #2, Lift Station 47006	Unknown	40 hp/500 gpm	1	Each	1972
Pump #3, Lift Station 47006	Unknown	40 hp/500 gpm (70 hp diesel backup)	1	Each	1972
Wastewater Lift Station 36710 (Officer's Club Pool)	Concrete	Unknown	1	Each	1955
Pump #1, Lift Station 36710	Submersible	1.5 hp/100 gpm	1	Each	1955
Pump #2, Lift Station 36710	Submersible	1.5 hp/100 gpm	1	Each	1955
Wastewater Lift/Pump Station 36708 (Officer's Club Mess)	Concrete	Unknown	1	Each	1955
Pump #1, Lift Station 36078	Submersible	5 hp/75 gpm	1	Each	1955
Pump #2, Lift Station 36708	Submersible	5 hp/75 gpm	1	Each	1955
Wastewater Lift Station 2096 (Olive Terrace)	Concrete	Unknown	1	Each	1976
Pump #1, Lift Station 2096	Wet Well Chopper	15 hp/115 gpm	1	Each	1976
Pump #2, Lift Station 2096	Wet Well Chopper	15 hp/115 gpm	1	Each	1976
Wastewater Lift Station 36700 (Ring Hall – Inside)	Concrete	Unknown	1	Each	1972
Pump #1, Lift Station 36700	Wet Well Chopper	3 hp/50 gpm	1	Each	1972
Pump #2, Lift Station 36700	Wet Well Chopper	3 hp/50 gpm	1	Each	1972
Wastewater Lift Station 2228 (Warehouse)	Concrete	Unknown	1	Each	1940's
Pump #1, Lift Station 2228	Submersible	1 hp/25 gpm	1	Each	1940's
Wastewater Lift Station 56 (Willard Training Area)	Concrete	Unknown	1	Each	1969
Pump #1, Lift Station 56	Wet Well Chopper	30 hp/135 gpm	1	Each	1969
Pump #2, Lift Station 56	Wet Well Chopper	30 hp/135 gpm	1	Each	1969
Wastewater Lift Station 50 (Willard Training Area)	Concrete	Unknown	1	Each	1983
Pump #1, Lift Station 50	Submersible	5 hp/60 gpm	1	Each	1983
Pump #2, Lift Station 50	Submersible	5 hp/60 gpm	1	Each	1983

Item	Material	Size	Quantity	Unit	Approximate Year of Construction
Wastewater Lift Station 306 (Eisenhower Army Medical Center)	Concrete	Unknown	1	Each	1976
Pump #1, Lift Station 306	Wet Well Chopper	30 hp/700 gpm	1	Each	1976
Pump #2, Lift Station 306	Wet Well Chopper	30 hp/700 gpm	1	Each	1976
Wastewater Lift Station LS002 (Gate 2)	Concrete	Unknown	1	Each	1999
Pump #1, Lift Station LS002	Submersible	1 hp/20 gpm	1	Each	1999
Wastewater Lift Station 15701	Unknown	Unknown	1	Each	2000
Pump #1, Lift Station 15701	Unknown	10 hp/200 gpm	1	Each	2000
Pump #2, Lift Station 15701	Unknown	10 hp/200 gpm	1	Each	2000
Leachate Pretreatment System	Various	0.3 MGD	1	Each	2001
Wastewater Treatment Facility (Trickling Filters)	Various	4.0 MGD	1	Each	1940's

*Building service is assumed to be defined as approximately 25' of 4-6" PVC with cleanout.

J03.2.2 Wastewater System Non-Fixed Equipment and Specialized Tools Inventory

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment and tools. The successful Contractor shall provide any and all equipment, vehicles, and tools, whether included in the purchase or not, to maintain a fully operating system under the terms of this contract.

Table 2
Spare Parts
Wastewater System – Fort Gordon

Qty	Item	Make/Model	Description	Remarks
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None.

Table 3
Specialized Equipment and Vehicles
Wastewater System – Fort Gordon

Description	Quantity	Location	Maker
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Laboratory Equipment – Offerors will be able to view the laboratory and equipment during site visits. An inventory is not presently available for inclusion.

J03.2.3 Wastewater System Manuals, Drawings, and Records Inventory

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

Table 4
Manuals, Drawings, and Records
Wastewater System – Fort Gordon

Qty	Item	Description	Remarks
	The installation maintains a limited collection of manuals, drawings and records on installed components of the Wastewater System. The drawings are located in the library in Building 14600. This information or copies thereof will be transferred during the transition period.		

J03.3 Current Wastewater System Service Arrangements

Fort Gordon treats all of the wastewater generated on Post at the Wastewater Treatment Plant. Some outlying areas are served by septic tanks and drain fields. Septic tanks and associated piping are not being conveyed as part of this contract. The Fort also receives wastewater from the Augusta State Medical Prison located north of Fort Gordon. Wastewater at the Fort Gordon Recreation Area (Clark Hill Recreation Area) flows by gravity to a sewage lagoon on site or in some cases to septic tanks and drain fields. The sewage lagoon is included as part of the solicitation. The septic tanks and associated piping are not being conveyed as part of this contract.

J03.4 Secondary Metering

The Fort may require secondary meters for internal billings of their reimbursable customers, utility usage management, and energy conservation monitoring. The Contractor shall assume full ownership and responsibility for existing and future secondary meters IAW Clause C.3.3.

J03.4.1 Existing Secondary Wastewater System Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings once a month for all secondary meters IAW C.3.3 and J03.5 below.

Table 5
Existing Secondary Meters
Wastewater System – Fort Gordon

Meter Location: Building Number	Description
None.	

J03.4.2 Required New Secondary Wastewater System Meters

The Contractor shall provided and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Clause C.13.3, Operational Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Clauses C.3.3 and J03.5 below.

Table 6
New Secondary Meters
Wastewater System – Fort Gordon

Meter Location	Meter Description
None.	

J03.5 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

Invoice (IAW G.2). The Contractor’s monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the Contracting Officer’s designee. (This information will be provided upon award.)

Outage Report. The Contractor’s monthly outage report will be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the Contracting Officer’s designee. (This information will be provided upon award.) Outage reports shall include the following information for Scheduled and Unscheduled outages:

Scheduled: Requestor, date, time, duration, facilities affected, feedback provided during outage, outage notification form number, and digging permit number. Digging Permits are required for all excavations over 6 inches in depth. Permits are available from the Work Management Branch, DPW, in Building 14600.

Unscheduled: Include date, time and duration, facilities affected, response time after notification, completion times, feedback provided at time of outage, specific item failure, probability of future failure, long term fix, and emergency digging clearance number.

Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all secondary meters. The Contractor’s monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the Contracting Officer’s designee. (This information will be provided upon award.)

System Efficiency Report. If required by Paragraph C.3, the Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month.

System efficiency reports shall be submitted to the Contracting Officer's designee. (This information will be provided upon award.)

J03.6 Infiltration and Inflow (I&I) Projects

There are currently no infiltration and inflow projects in development or execution.

J03.7 Service Area

IAW Clause C.4, Service Area. The service area is defined as the boundaries of Fort Gordon, including the Augusta State Medical Prison and Fort Gordon Recreation Area (Clark Hill Recreation Area).

J03.8 Off-Installation Sites

This package includes the Fort Gordon Recreation Area (Clark Hill Recreation Area), located about 22 miles north northwest of the Fort. Paragraphs J03.2.2, "Wastewater System Non-Fixed Equipment and Specialized Tools Inventory"; J03.2.3, "Wastewater System Manuals, Drawings, and Records Inventory"; and J03.5, "Monthly Submittals" apply to all of the following off-installation sites. In addition, there are no secondary meters or infiltration and inflow projects at any of the following sites that have not already been listed.

Fort Gordon Recreation Area (Clark Hill Recreation Area): 909 acres

Fort Gordon Recreation Area (Clark Hill Recreation Area)

This area is served by five lift stations and a sewage lagoon on site.

Table 7
Fixed Inventory
Wastewater System – Fort Gordon Recreation Area (Clark Hill Recreation Area)

Item	Material	Size (inches)	Quantity	Unit	Approximate year installed
Force Main	PVC	3	800	Linear Feet	1973
	Asbestos	3	7,267	Linear Feet	1968
	Concrete				
	Cast Iron	4	2,260	Linear Feet	1972
	Asbestos	4	1,305	Linear Feet	1968
Force Main Piping Total	Concrete				
			11,632	Linear Feet	
Gravity Pipe				Linear Feet	
	Terra Cotta	4	2,150	Linear Feet	1972
	Terra Cotta	6	1,141	Linear Feet	1968
	Vitrified Clay	6	138	Linear Feet	1969
	Vitrified Clay	6	185	Linear Feet	1971
	Vitrified Clay	6	2,100	Linear Feet	1973
	Concrete	8	4,150	Linear Feet	1972
	Terra Cotta	8	4,510	Linear Feet	1968

Item	Material	Size (inches)	Quantity	Unit	Approximate year installed
Gravity Pipe Total	Vitrified Clay	8	600	Linear Feet	1969
	Vitrified Clay	8	285	Linear Feet	1971
	Unknown	Unknown	3,323	Linear Feet	1956
			18,582	Linear Feet	
Piping Total			30,214	Linear Feet	
Building Services (laterals)*			50	Each	1956
Manholes			61	Each	1956
Wastewater Lift Station SPS01	Concrete	Unknown	1	Each	1968
Pump #1, Lift Station SPS01	Submersible	5 hp/110 gpm	1	Each	1968
Pump #2, Lift Station SPS01	Submersible	5 hp/110 gpm	1	Each	1968
Wastewater Lift Station SPS02	Concrete	Unknown	1	Each	1968
Pump #1, Lift Station SPS02	Submersible	1.5 hp/60 gpm	1	Each	1968
Pump #2, Lift Station SPS02	Submersible	1.5 hp/60 gpm	1	Each	1968
Wastewater Lift Station SPS03	Concrete	Unknown	1	Each	1968
Pump #1, Lift Station SPS03	Submersible	5 hp/100 gpm	1	Each	1968
Pump #2, Lift Station SPS03	Submersible	5 hp/100 gpm	1	Each	1968
Wastewater Lift Station SPS04	Concrete	Unknown	1	Each	1972
Pump #1, Lift Station SPS04	Submersible	2 hp/50 gpm	1	Each	1972
Pump #2, Lift Station SPS04	Submersible	2 hp/50 gpm	1	Each	1972
Wastewater Lift Station SPS05	Concrete	Unknown	1	Each	2000
Pump #1, Lift Station SPS05	Submersible	3 hp/25 gpm	1	Each	2000
Wastewater Treatment Facility		0.032 MGD	1	Each	1968

*Building service is assumed to be defined as approximately 25' of 4-6" PVC with cleanout.

J03.9 Specific Transition Requirements

IAW Clause C.13, Operational Transition Plan. **Table 8** lists service connections and disconnections required upon transfer, and **Table 9** lists the improvement projects Fort Gordon is planning to implement. The Contractor may propose alternative projects or approaches to upgrading and operating the system as long as all regulatory requirements are met.

Table 8
Service Connections and Disconnections
Wastewater System – Fort Gordon

Location	Description
None.	

Table 9
System Improvement Projects (Details of projects will be included in the Technical Library)
Wastewater System – Fort Gordon

Location	Description	Year of Completion
Fort Gordon Recreation Area (Clark Hill Recreation Area)	Replace sewage lagoon with new package plant with sludge handling facilities	FY 2003
Fort Gordon WWTP	<p>Primary clarifiers – install corrosion resistant weirs.</p> <p>Sludge Pumps – replace sludge pumps; replace ventilation system in pump house; plumb pump room sump into primary clarifier influent</p> <p>Trickling filters – replace/repair trickling filter walls; install new thrust bearings and seals.</p> <p>Sedimentation Basins – install a scum removal system (skimmers); replace existing weirs with corrosion resistant weirs</p> <p>UV Disinfection – install UV disinfection backup units; install back-up power unit; install indicator alarms; correct hydraulic loading problem.</p> <p>Anaerobic Digesters – clean, repair, and resurface digesters; replace digester lids; install new waste gas burner for off gas burning; install scum buster type pump for primary digester.</p> <p>Sludge Drying Beds – Replace under drain system in drying beds; install sludge handling pump to pull sludge from digesters to drying beds.</p>	FY 2003
Fort Gordon Lift Stations	<p>Replace control panels for 11 lift stations.</p> <p>Install monitoring systems on all lift stations.</p> <p>Increase wet well holding capacity for 5 lift stations</p> <p>Install a vertical shaft chopper pump for Lift Station T56 (Big Willard)</p>	FY 2003
Fort Gordon Wastewater System	<p>Install chemical resistant liners in 2 manholes, 1,800 ft of 18” pipe, and 1,000 ft. of 21” pipe downstream of Eisenhower Army Medical Center</p> <p>Install spring loaded check valve at collection line for 67th Motor Pool lift station</p>	FY 2003

J03.10 Wastewater System Points of Demarcation

The point of demarcation is defined as the point on the wastewater system pipe where ownership changes from the Grantee to the building owner. The table below identifies the general locations of these points with respect to the building served.

Table 10
Points of Demarcation
Wastewater System – Fort Gordon

Point of Demarcation	Applicable Scenario	Sketch
The point of demarcation is 5 feet away from the exterior of the structure or to a point beyond the cleanout whichever is closer to the building.	All scenarios.	
The point of demarcation is where the effluent pipe exits the oil/water separator.	All scenarios where an oil/water separator discharges to the wastewater system.	

J03.10.1 Unique Points of Demarcation

The following table lists anomalous points of demarcation that do not fit any of the above scenarios.

Table 11
Unique Points of Demarcation
Wastewater System – Fort Gordon

Location	Point of Demarcation Description
17 th Street Landfill (Main Post) – The point of demarcation is where the leachate line crosses the property boundary of the landfill.	
The point of demarcation is the Prison side of the closest manhole.	

J03.11 Wastewater Treatment Plants

The following table lists all wastewater treatment plants.

Table 12
Wastewater Treatment Plants
Wastewater Treatment System – Fort Gordon

Description	Facility #	State Coordinates	Other Information
Leachate Pretreatment System 0.3 MGD	N/A	(Available in Installation mapping)	
Trickling Filter Treatment Plant 4 MGD	560	(Available in Installation mapping)	NPDES Permit Number GA0003484
Wastewater Treatment, Fort Gordon Recreation Area (Clark Hill Recreation Area) (0.32 MGD)	SWLAG	(Available in Installation mapping)	

J03.12 Utility Response

Service and Trouble calls. All service calls are directed to the Fort Gordon Service Order Desk (791-5520). The Utility's 24-hour Service Office telephone number will be made available to key offices on the Installation. The Utility shall have in place a mechanism, a means, or procedure by which Fort Gordon's DPW personnel can quickly notify the Utility of the emergency work. If there is an order of preference of phone numbers/Utility personnel to call, the Utility shall clearly define that precedence. The Government office(s) responsible for coordinating service, trouble, and emergency calls will contact the Utility's Service Office to report any problems, outages, leaks, overflows, or request other service. The Contractor's Service Interruption/Contingency Plan shall meet the current response times at a minimum. Fort Gordon will establish the priority of the service order. Restoration of service shall be coordinated with the Government Office reporting the problem or service and person(s) responsible for the building or facility. Once work has started, the work has to be continued to completion. The following service order hierarchy is in place.

Emergency Service Orders during Normal Duty Hours (7:30 a.m. - 4:00 p.m., Monday through Friday, excluding holidays). The Utility shall respond to emergency work directives and begin to work on the problem within sixty (60) minutes of the report of the occurrence.

Emergency Service Orders (Outside of normal duty hours). The Utility shall respond to an emergency work directive outside of normal duty hours and begin work on the problem within one hundred and twenty (120) minutes of the report of the occurrence.

Non-Emergency Work Directives. The Utility shall respond to all non-emergency work directives in accordance with the following classifications:

- Priority 1 – requires response within eight (8) normal duty hours and continuous effort until completion.
- Priority 2 – requires response within twenty-four (24) normal duty hours and completion within ten (10) working days.
- Priority 3 – requires response within ten (10) working days and completion within thirty (30) working days.

Historical service order data will be made available to Offerors during the site visits.

Scheduled Water/Wastewater Outages. Utility requests for scheduled outages shall be coordinated with the Directorate of Public Works and the facility manager/user ten (10) working days prior to the scheduled outage. All reasonable effort will be made to minimize the number of facilities affected and the duration of the outage. The Government reserves the right to either disapprove a scheduled outage or to cancel at any time, before or during, a scheduled outage if such outage might adversely affect Government missions and operations. In the event of such disapproval or cancellation, the parties will coordinate a mutually acceptable alternative time for the scheduled outage. The Government may require the alternative time for the scheduled outage to be outside of normal duty hours.